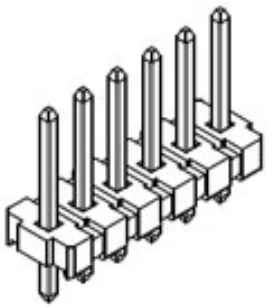
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0026481042
**Status:** Active
**Description:** 3.96mm (.156") Pitch KK® Header, Breakaway, Right Angle, 4 Circuits, Tin (Sn) Plating

**Documents:**

3D Model
Packaging Specification (PDF)
Drawing (PDF)
Product Specification PS-08-50 (PDF)
RoHS Certificate of Compliance (PDF)



*Series image - Reference only*

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 41662 |
| Application | Board-to-Board, Wire-to-Board |
| MolexKits | Yes |
| Product Name | KK® |

## Physical

| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.184 In |
| PC Tail Length (mm) | 4.67 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Bag |
| Pitch - Mating Interface (in) | 0.156 In |
| Pitch - Mating Interface (mm) | 3.96 mm |
| Plating min: Mating (µin) | 200 |
| Plating min: Mating (µm) | 5 |
| Plating min: Termination (µin) | 200 |
| Plating min: Termination (µm) | 5 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Partial |
| Stackable | No |
| Temperature Range - Operating | 0°C to +75°C |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
**Contains SVHC: No**
**Halogen-Free Status**
**Not Halogen-Free**

**China RoHS**

**Need more information on product environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
41662Series

**Mates With**
2139 , 2145 , 6442 , 7674 , 7675 , 41695 , 41815

| | |
|---|---|
| Termination Interface: Style | Through Hole |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 7A |
| Voltage - Maximum | 250V |

## Solder Process Data

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 5 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 235 |

## Material Info

| | |
|---|---|
| Old Part Number | A-41662-A04A102 |

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-41662-001 |
| Product Specification | PS-08-50 |
| Sales Drawing | SD-41662-001 |

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**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

A-41662-* N * * - *

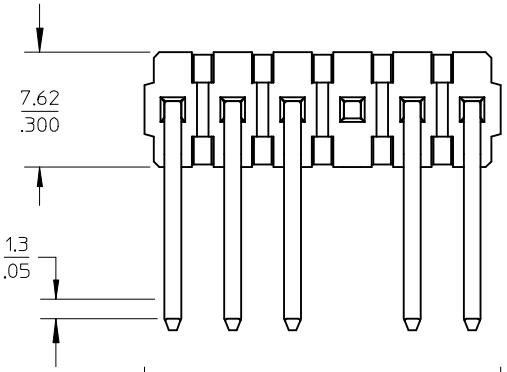
PACKAGING AND OPTIONS

NO. OF CKTS.

PIN DIMENSIONS

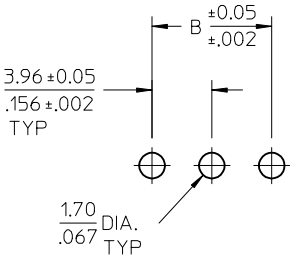
PLATING

VOID LOCATIONS:
BLANK = NO VOIDS
NO.= CKT NO. VOIDED
MULT. VOIDS START WITH 51

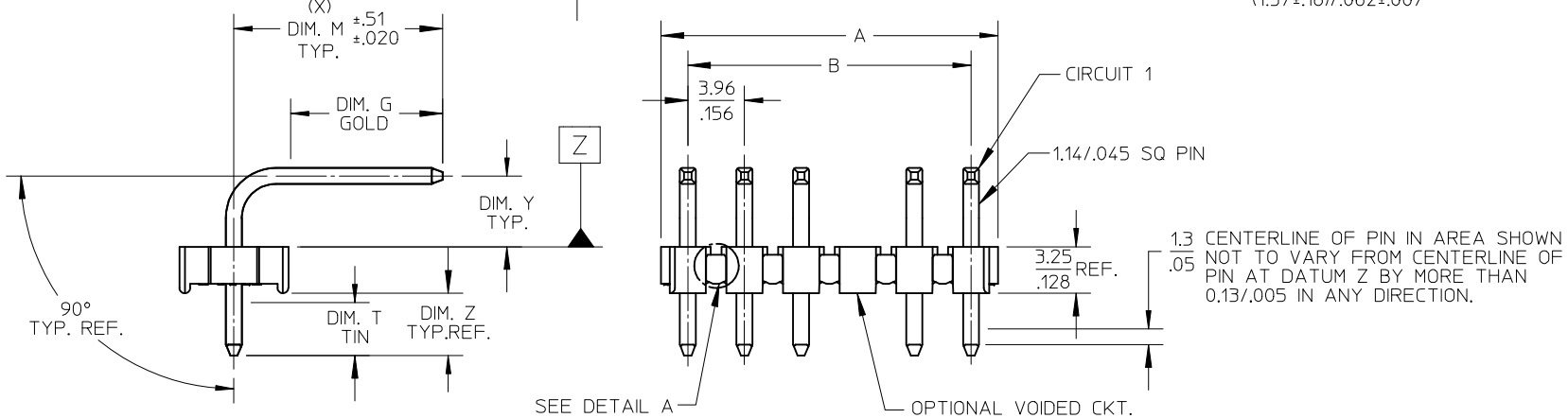



CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM Z BY MORE THAN 0.20/.008 IN ANY DIRECTION.

1.3
.05



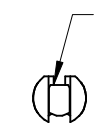

PCB LAYOUT:COMPONENT SIDE
RECOMMENDED PCB THICKNESS:
(1.57±.18)/.062±.007




| CIRCUIT | B | A |
|---|---|---|
| 2 | 3.96 / .156 | 6.78/7.87 / .267/.310 |
| 3 | 7.92 / .312 | 10.74/11.84 / .423/.466 |
| 4 | 11.89 / .468 | 14.71/15.80 / .579/.622 |
| 5 | 15.85 / .624 | 18.67/19.76 / .735/.778 |
| 6 | 19.81 / .780 | 22.63/23.72 / .891/.934 |
| 7 | 23.77 / .936 | 26.59/27.69 / 1.047/1.090 |
| 8 | 27.74 / 1.092 | 30.56/31.65 / 1.203/1.246 |
| 9 | 31.70 / 1.248 | 34.52/35.61 / 1.359/1.402 |
| 10 | 35.66 / 1.404 | 38.48/39.57 / 1.515/1.558 |
| 11 | 39.62 / 1.560 | 42.44/43.54 / 1.671/1.714 |
| 12 | 43.59 / 1.716 | 46.41/47.50 / 1.827/1.870 |
| 13 | 47.55 / 1.872 | 50.37/51.46 / 1.983/2.026 |
| 14 | 51.51 / 2.028 | 54.33/55.42 / 2.139/2.182 |
| 15 | 55.47 / 2.184 | 58.29/59.39 / 2.295/2.338 |
| 16 | 59.44 / 2.340 | 62.26/63.35 / 2.451/2.494 |
| 17 | 63.40 / 2.496 | 66.22/67.31 / 2.607/2.650 |
| 18 | 67.36 / 2.652 | 70.18/71.27 / 2.763/2.806 |
| 19 | 71.32 / 2.808 | 74.14/75.23 / 2.919/2.962 |
| 20 | 75.29 / 2.964 | 78.11/79.20 / 3.075/3.118 |
| 21 | 79.25 / 3.120 | 82.07/83.16 / 3.231/3.274 |
| 22 | 83.21 / 3.276 | 86.03/87.12 / 3.387/3.430 |
| 23 | 87.17 / 3.432 | 89.94/91.08 / 3.541/3.586 |
| 24 | 91.14 / 3.588 | 93.85/95.00 / 3.695/3.740 |

NOTES:
1. MATERIAL: GLASS FILLED POLYESTER, 94V-0, MOLDED BLACK
2. FINISH: PER SDES-88
   (102) OVERALL TIN: 0.00508/.000200 MIN.
   OVERALL COPPER UNDERPLATE: 0.00254/.000100 MIN.
   (154) OVERALL TIN: 0.00254/.000100 MIN.
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
   (208) SELECT GOLD: 0.00038/.000015 MIN.
   * SELECT TIN: 0.00254/.000100 MIN
   OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
   (228) SELECT GOLD: 0.00076/.000030 MIN.
   * SELECT TIN: 0.00254/.000100 MIN.
   OVERALL NICKEL UNDERLPATE: 0.00127/.000050 MIN.
   (501) OVERALL GOLD: 0.00051/.000020 MIN.
   OVERALL NICKEL UNDERPLATE: 0.00076/.000030 MIN.
3. PRODUCT SPECIFICATION: PS-08-50.
4. PACKAGING INFORMATION: SEE CHARTS
5. SOLDERABILITY: PER SMES-152.
6. PIN PUSH-OUT FORCE: PRIOR TO SOLDERING, A 3 LB. MINIMUM FORCE (IN EITHER DIRECTION) SHALL BE REQUIRED TO PUSH THE PIN OUT OF THE HEADER.
7. PARTS ARE STACKABLE END TO END ON 3.96/.156 CENTERS. (SPACING TABS MUST BE REMOVED ON CIRCUIT SIZES 1-23 BEFORE PARTS ARE STACKABLE.)
*8. THE PRIMARY SHIPPING CARTON WILL BE LABELED, "COMLPIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

| 2-* | AH7 |
|---|---|
| 1 | |
| SHT. | REV. |




REMOVE 41662-0684
EC NO: UCP2010-0149 2009/08/05
DRWN:MKIPPER 2009/08/10
CH'KD:SSOUSEK 2009/08/11
APPR:FSMITH
DESCRIPTION
AH7
REV

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.36 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DIMENSION STYLE | MM/IN | SCALE | 4:1 |
| DESIGN UNITS | INCH | | THIRD ANGLE PROJECTION |
| DRAWN BY | JSCHAFER | DATE | 2003/09/15 |
| CHECKED BY | KSAMIEC | DATE | 2003/09/15 |
| APPROVED BY | MARGULIS | DATE | 2003/09/15 |
| MATERIAL NO. | SEE CHART | | |
| DOCUMENT NO. | SD-41662-001 | | |
| SHEET NO. | 1 OF 12 | | |

TITLE: KK .156 HEADER ASSEMBLY FLAT BREAKAWAY 2-24 CKTS.

MOLEX INCORPORATED

SIZE A

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